# EXHIBIT 2 FILED UNDER SEAL

## Case 3:17-cv-00939-WHA Document 333-6 Filed 05/02/17 Page 2 of 35 WAYMO & UBER CONFIDENTIAL ATTORNEYS' EYES ONLY

1	UNITED STATES DISTRICT COURT
2	NORTHERN DISTRICT OF CALIFORNIA
3	SAN FRANCISCO DIVISION
4	
5	WAYMO LLC,
6	Plaintiff,
7	vs. No. 3:17-cv-00939-WHA
8	UBER TECHNOLOGIES, INC.;
9	OTTOMOTTO LLC; OTTO TRUCKING,
10	INC.,
11	Defendants.
12	/
13	
14	WAYMO & UBER CONFIDENTIAL ATTORNEYS' EYES ONLY
15	
16	VIDEOTAPED DEPOSITION OF GREGORY KINTZ
17	SAN FRANCISCO, CALIFORNIA
18	WEDNESDAY, APRIL 26, 2017
19	
20	
21	BY: ANDREA M. IGNACIO, CSR, RPR, CRR, CCRR, CLR ~
22	CSR LICENSE NO. 9830
23	JOB NO. 2592507
24	
25	PAGES 1 - 234
	Page 1

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1	Q Okay. What do you mean by that?	11:44
2	A Well,	
	, but	11:44
4	does not have to be.	11:45
5	Q Okay. In what instances would it	
		11:45
7	A Using general principles, it would be	11:45
8		
		11:45
10	Q And under what circumstances would it	
		11:45
12	A There may be cases where you might want to	11:45
13		
	you could do that.	11:45
16	Q Okay. But generally, if you're looking to	11:45
17		
	correct?	11:46
21	MR. JAFFE: Objection; form.	11:46
22	THE WITNESS: Correct.	11:46
23	MR. KIM: Q. So, taking a look at this	11:46
24	diagram, I see on page 15 of Exhibit 1034, there is	11:46
25		11:46
	I	Page 38

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1	Using the Fuji information, I	11:47
2	was able to determine	
	. And, from that, I was able to	11:47
4		11:47
5	Q Okay. And that's	
	on the bottom of page 5?	11:48
8	A That is 15?	11:48
9	Q Yes.	11:48
10	A Yes.	11:48
11	Q Okay. And after	
		11:48
15	A Using the again, the same	11:48
16	file from the Fuji board in the e-mail, that	11:48
17	also contains	11:48
18	And I was able to	
		11:49
21	MR. KIM: Okay. Let's go ahead and mark this	11:49
22	as No. 1037.	11:49
23	(Document marked Exhibit 1037	11:49
24	for identification.)	11:49
25	MR. KIM: Q. Do you recognize Exhibit	11:49
	]	Page 40

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1		
	, what did you do next?	12:01
3	A I then compared	
	Excuse me.	12:02
8	Q And the	12:02
9	A Correct.	12:02
10	Q Okay. And that's based on your calculation	12:02
11	of for the	12:02
12	Fuji board; correct?	12:02
13	A That is correct.	12:02
14	Q So, is it fair to say that if your	12:02
15	calculation of for Fuji	12:02
16	was incorrect, that would also be different;	12:02
17	correct?	12:02
18	A Yes.	12:02
19	Q I'd like to turn to back to the reply	12:02
20	declaration.	12:03
21	A (Witness complies.)	12:03
22	Uh-huh.	12:03
23	Q And direct your attention to paragraph 5. Do	12:03
24	you see where it says:	12:03
25	"My visual inspection of the Fuji device on	12:03
	Pa	ge 46

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1	AFTERNOON SESSION	
2	1:05 P.M.	
3		
4	THE VIDEOGRAPHER: We are back on the record	13:05
5	at 1:05 p.m.	13:05
6	MR. KIM: Q. Mr. Kintz, we were talking	13:05
7	about And I wanted to ask you what	13:05
8	you meant by in your	13:05
9	declaration, for example, in paragraphs 4 and 5 which	13:06
10	we had been discussing.	13:06
11	A The definition of	
		13:06
15	Q Okay. And so, if	
		13:06
19	A Yes, I would agree with that statement.	13:06
20	Q Okay. And is it also your testimony that if	13:06
21		
		13:07
24	MR. JAFFE: Excuse me. Objection; form.	13:07
25	THE WITNESS: In a more broad definition of	13:07
		Page 63

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1	yes, that would.	13:07
2	I believe, in the context of the Trade Secret	13:07
3	that we're discussing right now, no, because that	13:07
4		13:07
5	MR. KIM: Q. So, just to make sure I I	13:07
6	understand your answer, if you had	
		13:08
14	A Yes.	13:08
15	MR. JAFFE: Objection; form.	13:08
16	Just give me a second to object, please.	13:08
17	THE WITNESS: Yeah.	13:08
18	MR. JAFFE: Thank you.	13:08
19	THE WITNESS: Yes, within the context of your	13:08
20	statement, yes.	13:08
21	MR. KIM: Okay. So I'd like to mark this as	13:08
22	1038, I believe.	13:08
23	(Document marked Exhibit 1038	13:09
24	for identification.)	13:09
25	MR. KIM: Q. Do you recognize Exhibit 1038?	13:09
		Page 64

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1	your objection. Please stop, or we'll move to strike	14:12
2	his declaration.	14:12
3	MR. JAFFE: I'm going to just object again.	14:12
4	MR. KIM: That's under your interpretation of	14:12
5	Judge Alsup's standing order. I'm warning you, stop.	14:12
6	MR. JAFFE: I disagree.	14:12
7	MR. KIM: Q. Can you answer the question?	14:12
8	A To successfully produce this document here, I	14:12
9	needed to have the between the	14:12
10	Waymo boards and the Fuji board.	14:13
11	So I did compute	
	in preparing this figure.	14:13
13	Q Did you quantify or calculate the	14:13
14	correspondence between	
		14:13
16	MR. JAFFE: Objection; form.	14:13
17	THE WITNESS: So at the time I had did	14:13
18	this analysis, I had the data for the	14:13
19	one Fuji board, and I had the from	14:13
20	the Waymo boards.	14:13
21		
		14:14
24	MR. KIM: Q. What are the scaling	14:14
25	differences you're referring to?	14:14
		Page 99

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1	your report; correct?	14:15
2	A The Excel spreadsheet that did that	14:15
3	calculation was part of a set of files that I used and	14:15
4	prepared for the original declaration.	14:15
5	Q Are they mentioned in your declaration?	14:15
6	A Insomuch as there is a computed calculation	14:15
7	here.	14:15
8	Q But where where is that spreadsheet	14:15
9	referenced in the list of materials considered?	14:15
10	MR. JAFFE: Objection; form.	14:15
11	THE WITNESS: It was a simple derivation of	14:15
12	the assembly and fabrication documents that were	14:16
13	provided as part of the Fuji PCB.	14:16
14	MR. KIM: So Counsel, we request that those	14:16
15	spreadsheets that he relied on in preparing his	14:16
16	declaration be produced immediately.	14:16
17	MR. JAFFE: So just to briefly respond, I	14:16
18	don't think that's a fair summary of what he just	14:16
19	testified about. But we'll take your request under	14:16
20	advisement.	14:16
21	MR. KIM: Q. Mr. Kintz, Waymo didn't come up	14:17
22	with the idea of having 64 diodes in a LiDAR; correct?	14:17
23	A No. That existed out in the public domain.	14:17
24	MR. JAFFE: So just as a brief question here,	14:17
25	if you're changing topics, if you don't mind if we	14:17
	Pag	ge 101

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1	A With that limited restriction on the	14:29
2	manufacturing tolerances, there will be some variation	14:29
3	in	
		14:29
5	Q And in some circumstances, due to	14:29
6	manufacturing tolerances, the laser diode could	
	; correct?	14:29
8	A In that case where there are manufacturing	14:29
9	tolerances being considered, that is a possibility.	14:29
10	Q We had in looking at paragraph 40, where	14:29
11	you mention mounting a cylindrical lens in front of a	14:29
12	laser diode to	
		14:29
14	Do you see that?	14:29
15	A Yes.	14:30
16	Q Are you familiar with the term "fast-axis	14:30
17	lens"?	14:30
18	A Point of clarification. Fast axis?	14:30
19	Q Fast-axis, A-X-I-S, collimation lens.	14:30
20	A Yes.	14:30
21	Q What is that?	14:30
22	A It is a cylindrical lens system that is	14:30
23	commonly placed in front of laser diodes for doing	14:30
24	collimation of the laser diode system.	14:30
25	Q So Waymo wasn't the first to invent or	14:30
	Pa	ge 106

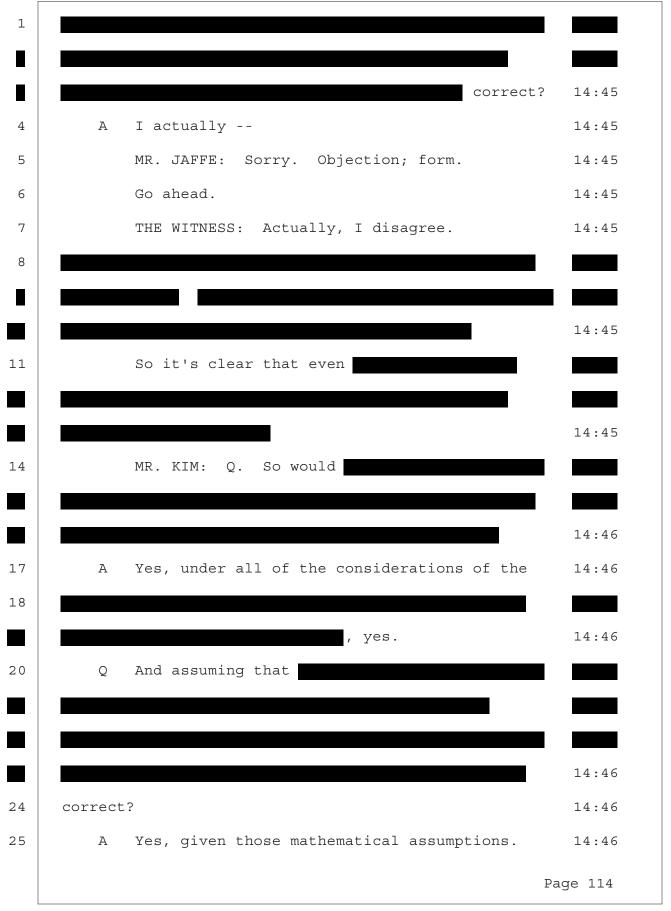
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1	discover the use of a fast-axis collimation lens in	14:30
2	the context of LiDARs?	14:30
3	MR. JAFFE: Objection; form.	14:30
4	THE WITNESS: I'm aware of people using	14:30
5	fast-axis collimation lenses in a wide range of laser	14:30
6	diode collimation systems.	14:31
7	MR. KIM: Q. The Velodyne 64, in fact, used	14:31
8	FAC lenses in front of its diodes; correct?	14:31
9	A Based on the information that is presented in	14:31
10	Figure 7, it appears that they use a fast-axis lens.	14:31
11	Q And do you see the fast-axis collimation lens	14:31
12	in Figure 7?	14:31
13	A Yes.	14:31
14	Q Okay. Can you label that, please. You can	14:31
15	just you can label it "FAC" for short.	14:31
16	A (Witness complies.)	14:31
17	Okay.	14:31
18	Q Okay. And you're understanding that for the	14:31
19	Velodyne 64, the purpose of that FAC lens would be to	14:31
20	pre-collimate the light emitted from the laser diode;	14:31
21	correct?	14:32
22	A Correct.	14:32
23	Q And would it also be for the purpose of	14:32
24		
		14:32
	Pa	ge 107

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1	inspected.	14:40
2	What's the benefit of having	
	for the GBr3 board?	14:41
4	A	
		14:41
8	Q And what other benefit is there for having a	14:41
9	for the GBr3?	14:41
10	A For the GBr3 specifically, the benefit is	14:41
11	associated with	
		14:41
13	Q Okay. And what other benefits are there for	14:41
14	the GBr3?	14:42
15	A I am not aware of any other benefits for the	14:42
16	GBr3 board at this time.	14:42
17	Q And are those so I I heard two primary	14:42
18	benefits for having for the	14:42
19	GBr3; is that fair?	14:42
20	A Yes.	14:42
21	Q Would those two benefits also apply if you	14:42
22	had	14:42
23	A Yes.	14:42
24	Q Would they apply if you had	
		14:42
	P	age 112

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1	Q So if you can turn to your the Trade	14:47
2	Secret List that we've been referring back to, Trade	14:47
3	Secret No. 7.	14:47
4	A (Witness complies.)	14:47
5	Yes.	14:47
6	Q It's not your testimony that Trade Secret 7	14:48
7	requires is it?	14:48
8	A	
		14:48
10	Q But it doesn't say	14:48
11	correct?	14:48
12	A No, there is no	
		14:48
14	It's just surprising that	
		14:48
17	Q How do you know that	
		14:48
19	A I was told that or that information is in	14:49
20	one of the declarations of one of the Waymo engineers.	14:49
21	Q And you relied on that declaration?	14:49
22	A Yes.	14:49
23	Q Do you know whose?	14:49
24	A I can pull that up because that's referenced	14:49
25	in my let's see in my second declaration.	14:49
	Pa	ıge 115

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1	declaration, paragraph 40. And actually, let's move	15:03
2	ahead to paragraph 43.	15:03
3	A (Witness complies.)	15:03
4	Q Do you see in the first sentence where you	15:04
5	say:	15:04
6	"Moreover, both Liu and Schultz dissertation	15:04
7	teach away from ."	15:04
8	A Yes.	15:04
9	Q What is a	15:04
10	A Depending on the application of the laser	15:04
11	diode, either single emitter device or laser diode	15:04
12	bar,	
		15:04
16	Q For the GBr3, what would be	
		15:04
18	MR. JAFFE: Objection; form.	15:04
19	THE WITNESS: Without having gone through	15:05
20	computations of the	
		15:05
24	However, in the deposi in the	15:05
25	declarations of the Google engineer, Pierre Droz, they	15:05
	Pa	ge 123

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1	Q What about	15:07
2	A Again, you're asking me to do calculations	15:07
3	that I don't have information available to me in terms	15:07
4	of the detailed design properties of the system.	15:07
5	Q You know, earlier we were looking at the	15:07
6	Trade Secret No. 7, and you confirmed there was no	15:07
7	requirement of	15:07
8	Do you recall that?	15:07
9	A Yes.	15:08
10	Q Where does it say in Trade Secret 7 that the	15:08
11	?	15:08
12	A The significance in the Trade Secret is the	15:08
13		
		15:08
17	Q But where does it	
		15:09
19	A Trade Secret No. 7 doesn't have	
		15:09
21	(Document marked Exhibit 1048	15:09
22	for identification.)	15:09
23	MR. KIM: Okay. I'd like to hand you	15:09
24	deposition Exhibit No. 140 1048.	15:09
25	MR. JAFFE: Can I get a copy, please?	15:09
	Pag	ge 125

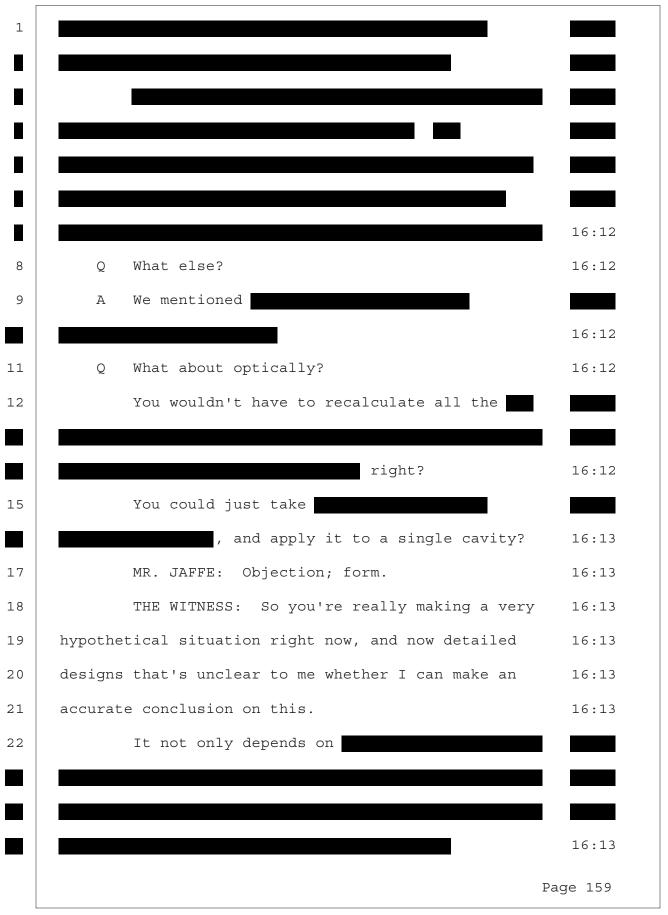
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1	Q So it seems to be distinguishing the	16:04
2	'190 patent disclosure and possibly the PanDAR	16:04
3	paper it's unclear on the grounds that what's	16:04
4	disclosed in the '190 patent and/or the PanDAR paper	16:05
5	is not a single device.	16:05
6	And my question is: Earlier when we were	16:05
7	discussing the PanDAR device, you had mentioned that	16:05
8	it was two stacked Velodynes; right?	16:05
9	And I think that's depicted in Figure 1 which	16:05
10	we were talking about earlier.	16:05
11	A Yes.	16:05
12	Q So so with the understanding that PanDAR	16:05
13	is describing what you described as two separate	16:05
14	devices stacked on top of each other	16:05
15	A Well, actually, I think we can look at the	16:05
16	photograph	16:05
17	Q Yeah.	16:05
18	A on Figure 1 and see	16:05
19	Q Yeah, that's what I'm looking at, too.	16:05
20	A that it is a single device that has two	16:05
21	optical subsystems on it.	16:05
22	Q Oh, you would characterize this as a single	16:05
23	device?	16:05
24	A This is the PanDAR system that is a single	16:05
25	device.	16:05
	Pa	ge 154

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1		
		16:10
4	So again, I have to say necessarily because	16:10
5	it may not be a straightforward task to reduce that to	16:10
6	a single device.	16:10
7	MR. KIM: Q. Wouldn't it be fairly simple to	16:10
8	just arrange the boards that are distributed across	16:10
9	two optical cavities in the PanDAR device into a	16:11
10	single cavity?	16:11
11	MR. JAFFE: Objection; form.	16:11
12	THE WITNESS: Without knowing the internal	16:11
13	details of the of the 32-unit Velodyne systems,	16:11
14	that may or may not be possible.	16:11
15	But we can actually look at the Velodyne	16:11
16	'190 patent and see that there's not a lot of room	16:11
17	between their current set of emitters to just add more	16:11
18	boards.	16:11
19	MR. KIM: Okay.	16:11
20	Q Aside from space constraints, what else would	16:11
21	prevent you from just adding more boards in a single	16:11
22	cavity?	16:11
23	A Well, two other areas that immediately jump	16:11
24	out at me as an engineer.	16:12
25		16:12
	Pag	ge 158

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1	So I don't think there is a clear answer to	16:13
2	your question.	16:13
3	MR. KIM: Q. It wouldn't be a simple	16:13
4	modification to just go from these two separate	16:13
5	cavities and to put all 64 boards and diodes into a	16:13
6	single cavity?	16:13
7	MR. JAFFE: Objection; form.	16:14
8	THE WITNESS: Again, I don't with all of	16:14
9	the complexity of engineering, I don't think you can	16:14
10	make a broad brush statement that says, Oh, this would	16:14
11	just be a simple thing to do.	16:14
12	MR. KIM: Q. So GBr3 has	
	; correct?	16:15
14	A Yes, that's correct.	16:15
15	Q And it has a single optical cavity?	16:15
16	A Yes, that's correct.	16:15
17	Q And the for GBr3,	16:15
18	that's ?	16:15
19	A That sounds correct. But I would prefer to	16:15
20	look at a detailed specification to confirm that	16:15
21	number.	16:16
22	Q All right.	16:16
23	I think you can go to the list of Trade	16:16
24	Secrets and turn to let's see page 25.	16:16
25	A Okay. Nope, I don't need that anymore.	16:16
	Pag	ge 160

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1	line 52, where it says:	16:30
2	"In some examples, each light source of the	16:30
3	plurality of light sources includes a respective lens,	16:30
4	such as a cylindrical or acylindrical lens. The light	16:30
5	source may emit an uncollimated light beam that	16:31
6	diverges more in a first direction than in a second	16:31
7	direction. In these examples, the light source's	16:31
8	respective lens may pre-collimate the uncollimated	16:31
9	light beam in the first direction to provide a	16:31
10	partially collimated light beam, thereby reducing the	16:31
11	divergence in the first direction."	16:31
12	Do you see that?	16:31
13	A I do see that.	16:31
14	Q Doesn't that describe a cylin use of a	16:31
15	cylindrical or acylindrical FAC lens with a laser	16:31
16	diode?	16:31
17	A Yes, it does.	16:31
18	Q And here it refers to cylindrical or	16:31
19	acylindrical.	16:31
20	Do you know what the difference is between a	16:31
21	cylindrical and an acylindrical lens?	16:31
22	A The use in the patent of the terminology	16:31
23	"acylindrical" is not standard for optics. Normally,	16:32
24	the optical design program or a common optical	16:32
25	design program, Zemax, would refer to that as a	16:32
	Pag	ge 169

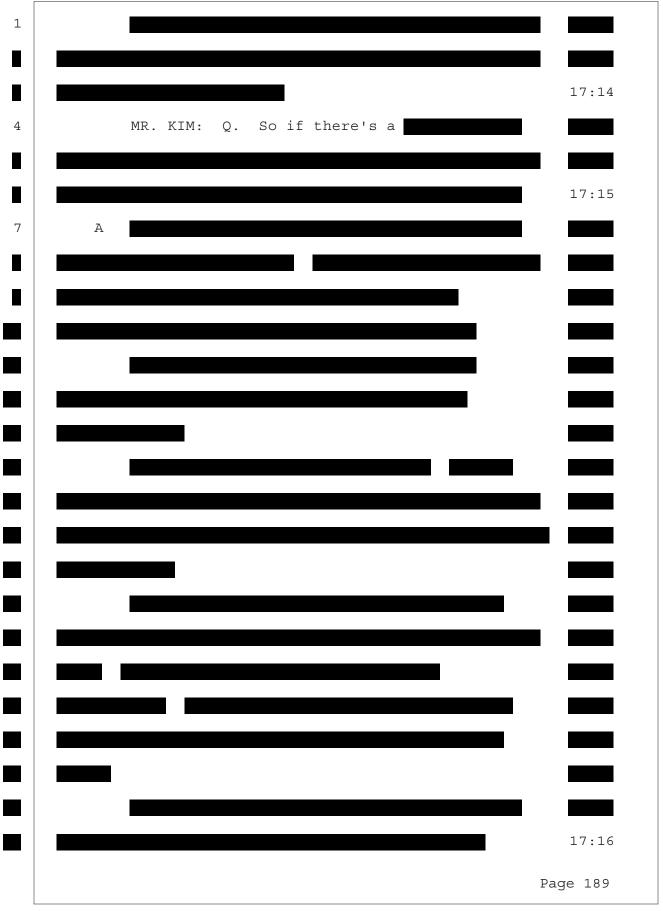
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1	toroid-shaped lens.	16:32
2	Q Yet you're referring to an acylindrical	16:32
3	A Correct.	16:32
4	Q shape?	16:32
5	So just to make sure I've got the terminology	16:32
6	right, an acylindrical FAC lens would be toroidal?	16:32
7	A And just to be specific, the definition of	16:32
8	toroidal means that the radius of curvature in one	16:32
9	principal direction is different than the radius of	16:32
10	curvature in the other principal direction.	16:32
11	Q Okay. And a cylindrical FAC then would be	16:32
12	non-toroidal; is that fair?	16:32
13	A Yes. It's the limit where one of the axes is	16:32
14	constant cross section and has no radius of curvature,	16:33
15	and the other one has a radius of curvature.	16:33
16	Q And you can define a acylindrical shape	16:33
17	through a mathematical equation; correct?	16:33
18	A That's correct.	16:33
19	Q And an acylindrical shape can be defined	16:33
20	through the use of a polynomial?	16:33
21	A Correct.	16:33
22	Q Whereas a cylindrical shape would not be	16:33
23	defined by a polynomial; correct?	16:33
24	A In the one axis where there is curvature,	16:33
25	that axis is actually usually defined by a polynomial.	16:33
	Pa	ge 170

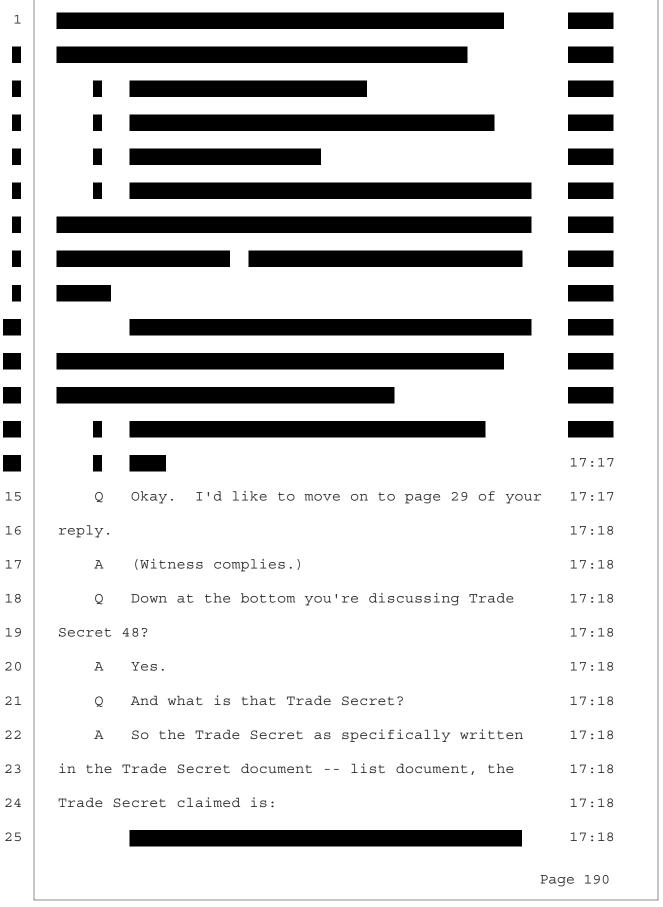
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1	MR. KIM: Okay.	17:12
2	Q So this patent discloses the use of holes,	17:12
3	tapered pins, screws, and cam surfaces, all four of	17:12
4	those, ; correct?	17:12
5	A That is correct.	17:12
6	Q Okay. You can put that aside.	17:12
7	So I believe earlier you testified that it's	17:13
8	your understanding that the manufacturing tolerances	17:13
9	for GBr3 is ?	17:13
10	MR. JAFFE: Objection; form.	17:13
11	THE WITNESS: Can you point to either in my	17:13
12	declaration or	17:13
13	MR. KIM: Q. I thought you said that during	17:13
14	the deposition, but you also said in paragraph 50 of	17:13
15	your reply brief.	17:13
16	A Okay.	17:13
17	MR. JAFFE: Are you talking about the reply	17:13
18	brief, you said?	17:13
19	MR. KIM: The reply declaration.	17:13
20	THE WITNESS: Okay.	17:14
21	(Complies.)	17:14
22	Yes. And this specifically references the	17:14
23		
		17:14
	Pa	age 188

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1	Q Now, the use of a	
	that's known in the	17:22
3	<pre>public; right?</pre>	17:22
4	MR. JAFFE: Objection; form.	17:22
5	THE WITNESS: There are many applications of	17:22
6		
		17:22
10	MR. KIM: Q. And it's also known that you	17:22
11	could use	
		17:22
13	correct?	17:22
14	MR. JAFFE: Objection; form.	17:22
15	THE WITNESS: Yes. There are certainly	17:22
16	references in the public domain that discuss the	17:22
17		
		17:23
19	MR. KIM: Q. For a LiDAR application;	17:23
20	correct?	17:23
21	A For a LiDAR application.	17:23
22	Q Okay. So the use of	
	that's not a Trade	17:23
25	Secret; right?	17:23
		Page 193

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1	A	Right here.	17:26
2	Q	You're referring to	17:26
3	A	yes.	17:26
4	Q	Okay. Let's move on to paragraph 58 in your	17:26
5	reply de	eclaration.	17:27
6	A	(Witness complies.)	17:27
7		Yes.	17:28
8	Q	So Trade Secret 10 is:	17:28
9			
			17:28
15	A	That's correct.	17:28
16	Q	What's the	17:28
17	covered	by Trade Secret 10?	17:28
18	A	It's the	
			17:28
22	Q	Now, I'm I want to know about the	17:29
23			17:29
24			
		that you're referring to?	17:29
			Page 196

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1	Q	Now, you said earlier	
		right?	17:31
4	A	That's right. So just to be specific, a	17:31
5			
			17:31
8	Q	Okay. So who is for	17:31
9	Waymo?		17:31
10	A	I know they're a and oh	, 17:31
11	yes,		17:31
12	Q	Okay. So I'm a little confused, because in	17:31
13	Trade S	Secret the Trade Secret List, page 8, it	17:31
14	says:		17:31
15			
			17:32
20		Do you see that?	17:32
21	А	You're on page 8?	17:32
22	Q	Page 8.	17:32
23	А	And Trade Secret	17:32
24	Q	10.	17:32
25	A	10.	17:32
			Page 198

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1	MR. JAFFE: Same objection.	17:39
2	THE WITNESS: Again, I'm not aware of any	17:39
3	other person using plastic FAC lenses in any	17:39
4	application.	17:39
5	MR. KIM: Q. Can you turn to the '922 patent	17:39
6	that we looked at previously.	17:41
7	A (Witness complies.)	17:41
8	Uh-huh.	17:41
9	Q Direct your attention to paragraph	17:41
10	column 15, line approximately 50.	17:41
11	Do you see that?	17:41
12	A Yes.	17:41
13	Q So it says:	17:41
14	"In one example, cylindrical lens 504 is a	17:41
15	microrod lens with a diameter of about 600 microns	17:41
16	that is placed about 250 microns in front of aperture	17:41
17	506. The material of the microrod lens could be, for	17:41
18	example, fused silica or a borosilicate crown glass,	17:41
19	such as Schott BK7."	17:41
20	It goes on to say:	17:42
21	"Alternatively, the microrod lens could be a	17:42
22	molded plastic cylinder or acylinder."	17:42
23	Do you see that?	17:42
24	A I do.	17:42
25	Q So it's known in the public that you could	17:42
	Pa	ıge 203

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1	have a molded plastic FAC lens for use with a diode in	17:42
2	a LiDAR; correct?	17:42
3	A Yes. The there could be a molded glass	17:42
4	lens.	17:42
5	However, the Trade Secret really here that	17:42
6	we're talking about is	
		17:42
9	Q Where does it talk about	
		17:43
12	MR. JAFFE: Objection; form.	17:43
13	THE WITNESS: Well, the the Trade Secret	17:43
14		17:43
15	MR. KIM: Q. And I thought we had previously	17:43
16	discussed that in this list of Trade Secrets, it's	17:43
17	just the last bullet that defines the scope of the	17:43
18	Trade Secret?	17:43
19	A Yes.	17:43
20	Q Do you recall that?	17:43
21	A Yes.	17:43
22	Q Okay. Is there anything in that last bullet	17:43
23	that talks about	
		17:43
25	A No.	17:43
	Pag	ge 204

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1	Q	Do you see any description there of any	17:43
2		?	17:43
3	A	No.	17:43
4	Q	Did you opine on Trade Secret No. 19?	17:43
5	A	Yes.	17:44
6	Q	So again, the scope of Trade Secret 19 is	17:44
7	defined	by that last bullet point; correct?	17:44
8	A	Correct.	17:45
9	Q	And so the Trade Secret is	
		; is that right?	17:45
11		MR. JAFFE: Objection; form.	17:45
12		THE WITNESS: There's more to the Trade	17:45
13	Secret.	The Trade Secret claimed is:	17:45
14			
			17:45
21		MR. KIM: Q. So the Trade Secret doesn't	17:45
22	specify	any particular type of ;	17:45
23	correct'	?	17:46
24	A	No.	17:46
25	Q	And you're aware of vendors who sell	17:46
			Page 205

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1	diagrams?	18:54
2	MR. JAFFE: Same objection.	18:54
3	THE WITNESS: As I just stated, without	18:54
4	knowing the internal circuitry of the components that	18:54
5	are listed as MC40F10YMME, and whether or not that	18:54
6	internal device contains inductors or inductor-like	18:54
7	devices, I cannot make a determination.	18:54
8	MR. KIM: Okay.	18:54
9	Q You said you reviewed the 14,000 files	18:54
10	downloaded by Mr. Anthony Levandowski in preparation	18:54
11	for finalizing your opening declaration; correct?	18:54
12	A That is correct.	18:54
13	Q When you reviewed those 14,000 files, you	18:54
14	didn't see	
	did you?	18:55
16	MR. JAFFE: Objection; form.	18:55
17	THE WITNESS: The files that were downloaded	18:55
18	by Andrew Levandowski included a wide range of laser	18:55
19	programs at Google Waymo, one being	
		18:55
21	However, the information is limited to the	18:55
22	electrical schematics of the system and did not have	18:55
23	any information on the optical configurations.	18:55
24	MR. KIM: Okay.	18:55
25	Q So that would be you you didn't see any	18:55
	Pa	ge 230

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1	schematics for a LiDAR design with eight optical	18:55
2	cavities?	18:55
3	A No, I did not.	18:55
4	Q And you didn't see any schematics for a LiDAR	18:55
5	design that had 16 collimation lenses?	18:55
6	MR. JAFFE: Objection; form.	18:56
7	THE WITNESS: Again, the schematic files are	18:56
8	electrical files, not optical files. So there was no	18:56
9	information on lenses or optics.	18:56
10	MR. KIM: Q. And you didn't see any	18:56
11	schematics that showed a diode-based design with	18:56
12	multiple diodes on a board with separate transmit and	18:56
13	receive lenses?	18:56
14	MR. JAFFE: Objection; form.	18:56
15	THE WITNESS: In the laser subdirectory of	18:56
16	the files downloaded by Andrew Levandowski, there were	18:57
17	multiple laser projects with the schematic information	18:57
18	on those, but not the optical information.	18:57
19	So even though there were a wide range of	18:57
20	files downloaded on a wide range of laser radar	18:57
21	systems, there was not specific optical information	18:57
22	that would allow me to answer that I did see this	18:57
23	configuration.	18:57
24	MR. KIM: Q. Mr. Kintz, the Spider doesn't	18:57
25	practice any of the Trade Secrets in your opening	18:57
	Pag	ge 231

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1	declaration; correct?	18:57
2	A No, not that I'm aware of.	18:58
3	Q Okay. Going back to yeah. I think	18:58
4	earlier we were talking about	
		18:58
6	Do you recall that discussion?	18:58
7	A I do.	18:58
8	Q And at one point we were talking about a	18:58
9	reference that disclosed, in addition to the use of	18:58
10	guide holes, also the use of screws.	18:58
11	Do you recall that?	18:58
12	A Yes.	18:58
13	Q The use of screws to position PCB boards,	18:58
14	that was well known in the public; correct?	18:58
15	MR. JAFFE: Objection; form.	18:58
16	THE WITNESS: In this case, the screws had a	18:59
17	definitive function that is well beyond the normal use	18:59
18	of screws to just hold them down on a set of	18:59
19	standoffs.	18:59
20	In this case, the screws had a function as	18:59
21	wrong patent. Wrong patent.	18:59
22	MR. KIM: Let me just ask you a new question.	18:59
23	Q In your opinion, people would know that you	18:59
24	could position a PCB using screws; correct?	18:59
25	MR. JAFFE: Objection; form.	18:59
	Pa	ge 232

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1	THE WITNESS: The attachment of PCBs to	18:59
2	standoffs and other mechanical hardware is commonly	19:00
3	used in designs.	19:00
4	MR. KIM: Okay. No further questions at this	19:00
5	time.	19:00
6	MR. JAFFE: No questions.	19:00
7	THE VIDEOGRAPHER: This is the end of today's	19:00
8	deposition of Mr. Gregory Kintz. We are off the	19:00
9	record at 7:00 p.m.	19:00
10	The total number of media used was eight and	19:00
11	will be retained by Veritext.	19:00
12	Thank you.	19:00
13	(WHEREUPON, the deposition ended	19:00
14	at 7:00 p.m.)	19:00
15		
16		
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